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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,852	08/22/2003	Stephen T. Dybing	NEWZEA.029A	1515

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KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER

WONG, LESLIE A

ART UNIT	PAPER NUMBER
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1794

NOTIFICATION DATE	DELIVERY MODE
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08/20/2009

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jcartee@kmob.com
eOAPilot@kmob.com

Office Action Summary	Application No. 10/646,852	Applicant(s) DYBING, STEPHEN T.	
	Examiner Leslie Wong	Art Unit 1794	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 May 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2-8, 10-13, 16-22, 27 and 33-45 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2-8, 10-13, 16-22, 27, and 33-45 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

It is noted that provisional application 60/405791 does not correspond to the current application. Specifically, 60/405791 is not directed to the addition of a monovalent salt. Applicant is not entitled to the priority date of the provisional application.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2–8, 10-13, 16-22, and 38-45 are rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Carr (WO

Art Unit: 1794

02/096208) for the reasons set forth in rejecting the claims in the last Office action. The new claims are not seen to influence the conclusion of unpatentability previously set forth.

Carr teaches a process for preparing an enhanced-solubility milk protein concentrate comprising providing a milk protein concentrate in aqueous solution/suspension and adding at least one monovalent salt (e.g. sodium chloride) in an amount that confers enhance solubility on the product (see entire document, especially the abstract and claims). Carr teaches 0.013-0.30 moles of cation added per 100g protein (see claim 10). Carr teaches the use of the prepared milk protein concentrate in the preparation of cheese wherein protein and concentrated fat (i.e. cream) are added to the enhanced-solubility milk protein concentrate (see Example 9), wherein the cheese is then prepared by a conventional process.

The claims differ appear to differ as to the recitation of increased emulsion capacity and stability.

An increase in the emulsion capacity and stability would be no more than inherent and/or obvious to that of Carr as the same components and process steps are used.

Claims 27 and 33-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carr (WO 02/096208) in view of Sadowsky et al (US 6358551).

Carr is cited as above.

The claims differ as to the recitation of specific cheese making steps.

Sadowsky et al teach conventional cheese making steps including combining reconstituted skim milk with concentrate milk fat, homogenization, productions of a standardized milk, and use of the standardized milk to produce cheese (see entire patent, especially Figure 1).

It would have been obvious to a person of ordinary skill in the art, at the time the invention was made to use conventional cheese making steps as taught by Sadowsky et al in that of Carr because Carr recites the use of a conventional process and Sadowsky teaches the steps of a conventional cheese-making process.

Applicant's arguments filed May 20, 2009 have been fully considered but they are not persuasive.

Applicant argues that Carr requires both that the salt is added prior to drying and that the solution is then dried to form MPC, that Carr does not teach enhancement of emulsification of fat in water, and that Carr does not teach mixing the hydrated protein solution with a concentrated fat for form a first food product.

Applicant does not exclude additional steps of Carr.

Carr teaches a process for preparing an enhanced-solubility milk protein concentrate comprising providing a milk protein concentrate in aqueous solution/suspension and adding at least one monovalent salt (e.g. sodium chloride) in an amount that confers enhance solubility on the product (see entire document, especially the abstract and claims). Carr teaches the use of the prepared milk protein concentrate in the preparation of cheese wherein protein and concentrated fat (i.e.

Art Unit: 1794

cream) are added to the enhanced-solubility milk protein concentrate (see Example 9).

It is not seen how this differs from the claimed invention.

Applicant merely claims “enhance its ability to emulsify fat.” Applicant does not specifically claim an enhanced emulsification.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leslie Wong whose telephone number is (571)272-1411. The examiner can normally be reached on Tuesday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Keith Hendricks can be reached on 571-272-1401. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1794

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Leslie Wong/
Primary Examiner, Art Unit 1794

LAW
August 17, 2009